

*Amendments to the Claims*

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (Currently Amended) A computer program product comprising a ~~tangible~~ computer readable medium having control logic therein for causing a computer to manage jitter within packets exchanged between a packet switched network and a public switched telephone network, said control logic comprising:

computer readable program code ~~means for causing~~ that causes the computer to handle the traffic from the packet-switched network to the public switched telephone network; and

computer readable program code ~~means for causing~~ that causes the computer to manage the jitter of said traffic, wherein the computer adjusts an adaptive buffer to regulate the flow of data packets, wherein a size of the adaptive buffer is determined based on jitter statistics comprising a jitter measurement for a message currently being processed, an average jitter of a set of received data packets and the average jitter variation of the set of received data packets.

2. (Currently Amended) A computer program product comprising a ~~tangible~~ computer readable medium having control logic therein for causing a computer to manage the flow of a data packet within a set of data packets, said control logic comprising:

(a) computer readable program code ~~means for causing~~ that causes the computer to receive the data packet, wherein the received data packet is the most recent data packet received within the set of data packets;

(b) computer readable program code ~~means for causing~~ that causes the computer to measure a jitter for the data packet received in step (a);

(c) computer readable program code ~~means for causing~~ that causes the computer to compute a jitter variation for the data packet received in step (a);

(d) computer readable program code ~~means for causing~~ that causes the computer to compute an average jitter measurement for the set of data packets;

(e) computer readable program code ~~means for causing~~ that causes the computer to compute an average jitter variation for the set of data packets; and

(f) computer readable program code ~~means for causing~~ that causes the computer to compute a target buffer size, wherein the target buffer size is a function of the average jitter measurement and the average jitter variation.

3. (Currently Amended) A computer program product comprising a ~~tangible~~ computer readable medium having control logic therein for causing a computer to calculate the size of a buffer used to manage the flow of a set of received data packets, said control logic comprising:

(a) computer readable program code ~~means for causing~~ that causes the computer to establish a minimum buffer size;

(b) computer readable program code ~~means for causing~~ that causes the computer to compute an average jitter measurement based on at least two received data packets;

(c) computer readable program code ~~means for causing~~ that causes the computer to compute an average jitter variation measurement based on at least two received data packets; and

(d) computer readable program code ~~means for causing~~ that causes the computer to determine a target buffer size based on the values determined in (a), (b) and (c).